

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Omar Akbari	PERMIT NUMBER:	P526P-20-01017
ORGANIZATION:	University of California, San Diego	APPLICATION NUMBER:	P526-190904-017
ADDRESS:	9500 Gilman Drive #0335 1502 Bonner Hall La Jolla, CA 92093	FACILITY NUMBER:	5379
MAILING ADDRESS:	9500 Gilman Drive #0335, 5401 Tata Hall Tata Hall La Jolla, CA 92093	HAND CARRY:	Yes
PHONE:	8582460640	DATE ISSUED:	03/10/2020
FAX:		EXPIRES:	03/10/2023
DESTINATION:	9500 Gilman Drive #0335, 1502 Bonner Hall, La Jolla, CA 92093		
RELEASE:	No		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Anastrepha ludens	Egg, Larvae, Pupae	Research - Lab	TX	Originally Collected in North America Outside the U.S.	

PERMIT GUIDANCE

- 1) This permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>.
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program

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PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

Carlos A. Blanco
Carlos Blanco

DATE

03/10/2020

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

at <http://www.cdc.gov/od/eaipp/>

4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.

5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

PERMIT CONDITIONS

USDA-APHIS authorizes Omar Akbari, University of California, San Diego, 9500 Gilman Drive #0335, 1502 Bonner Hall, La Jolla, CA, to move eggs, larvae, and pupae of *Anastrepha ludens* from Texas for laboratory research in the USDA APHIS approved Facility Number 5379 at the address above. All these conditions must be followed:

1.
 - This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
 - The permit number or a copy of the permit must accompany the shipment.
 - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
 - You are legally responsible for complying with all permit requirements and permit conditions.
 - If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
 - Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.
2. The permit holder must:
 - maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,

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- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@usda.gov within one business day of the event triggering a notification.

3. All packages for transport must minimally consist of both inner/primary and outer/secondary packages securely sealed so that both are effective barriers to escape or unauthorized dissemination of *Anastrepha ludens*. The inner/primary package(s) will contain all the regulated insects and must be cushioned and sealed in such a way that it remains sealed during shock, impact, and pressure changes that may occur. The outer/secondary shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.

Anastrepha ludens to be transported in checked baggage or in the passenger compartment of an airplane, must be double packed in sturdy, hard-sided (no Styrofoam) escape-proof containers that have been taped shut. Carrier must bring enough tape to reseal the containers if they are inspected at any time during the trip. The permit holder must consider while packaging the regulated pests, the kind of rough handling that can be expected during travel including shaking and inverting the package.

While in transportation to the permitted facility in a vehicle, the Mexican fruit flies must be kept

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within a larger container sufficiently strong to remain intact in the event of a vehicle accident. Plastic ice chests secured with a nylon web strap are recommended for the outer most containment barrier. Containers should be fastened if carried in the bed of a pick-up truck.

The permit holder or their designees are authorized to transport *Anastrepha ludens* in enclosed motor vehicles (i.e. no motorcycles or open-bed trucks). If stopped by law enforcement and requested to relinquish the organisms, then the permit holder must provide a copy of this permit and all conditions. Confiscated pests must be safeguarded prior to return to the permit holder. Shipping/handling costs associated with the movement of confiscated packages are the responsibility of the permit holder. Shipments carried in vehicles must meet all packaging requirements. Any accidents during transport that compromise the security of shipment packaging must be immediately reported to the USDA via: pest.permits@aphis.usda.gov. Include the permit number and ATTN: CA Blanco in the subject line, and describe the efforts taken to contain the pests.

The permit holder, and any individuals authorized by the permit holder, may transport *Anastrepha ludens* intrastate to the USDA-APHIS-approved containment Facility Number 5379 in motor vehicles.

A copy of this permit should accompany the vehicular movement of *Anastrepha ludens*.


4. This permit only covers *Anastrepha ludens*. Work with plant diseases that the Mexican fruit fly may transmit originating from outside of the destination state requires a separate permit.
5. Modifications to the containment facility 5379, or any changes that affect the containment of *Anastrepha ludens* must be approved by APHIS prior to making changes. Please contact the Pest Permit Staff (email: pest.permits@usda.gov; phone: 866-524-5421; address: 4700 River Rd., Unit 133, Riverdale, MD 20737; Fax: 301-734-8700).
6. This authorization is not valid for field research, greenhouse work, or release into the environment.
7. *Anastrepha ludens* must be maintained under escape-proof conditions in the APHIS-approved Facility Number 5379 area at the work address indicated on this permit. *Anastrepha ludens* must be removed from this facility or other designated area only with prior authorization from APHIS. Only the evaluated area is authorized for containment. Other rooms require specific approval. Access to this area must be restricted to authorized personnel only.

The capacity of this insect to escape (dig, claw, push, fly, or chew through wood, plastics, or metals) must be considered in containment design.

Collection methods must be available to catch escaping Mexican fruit flies.

All materials removed from shipping / caging must be thoroughly examined for *Anastrepha ludens*, and disposed of following the waste disposal condition.

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8. **WASTE DISPOSAL:**

All *Anastrepha ludens* and all items coming in direct contact or exposed to the Mexican fruit flies must be sterilized/sanitized/decontaminated prior to removal from the authorized containment facility. This includes all items from shipping, culturing, care, and maintenance. This requirement includes but is not necessarily limited to: packaging directly exposed to the regulated materials/organisms, substrates (culture media, soil, plant materials (food materials or host plants)), leftover/unused/unneeded live cultures, and dead specimens/cultures unless specified otherwise in the permit.

All waste materials must be treated by one of the follow methods prior to disposal:

Use any of the following, either alone or in combination: 1) autoclaved, 2) or disposed of as medical /biohazard waste with bonded contracted company or, 3) or incinerated, 4) or frozen at minus 29 Celsius (minus 20 Fahrenheit) for 72 hours (Note: this is colder than a conventional refrigerator/freezer), 5) or immersed in Sodium Hypochlorite (6 percent household bleach) for at least 60 minutes, or 6) immersed in 70 percent alcohol for at least 30 minutes.

Treated waste as in 1) to 6), must be double bagged prior to disposal.

9. There is to be no further movement or distribution of *Anastrepha ludens* within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of Mexican fruit flies.
10. All persons working with *Anastrepha ludens* must be informed of these permit conditions. Anyone working with these materials/organisms must agree to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

END OF PERMIT CONDITIONS

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